TROUBLESHOOTING

TROUBLESHOOTING COMPRESSORS

1. Remove clutch re engagement ring or nut. Use a spanner wrench or an impact driver. On some bolt threads from past assemblies, it is possible that the silhouette tool is still in the plate.

2. Attach the tool to the end plate by pushing the silhouette of the tool into the center hole of the clutch hub tool.

3. Tighten the inner tool arm by adjusting the end of the tool.

4. Set the air gap. Add or remove shims to obtain the desired air gap. After setting the air gap, check for ease of rotation at multiple points around the hub and replace the tool.

5. Check oil level in the hub and replace if necessary.

6. Check to ensure clutch is fully seated in groove, the lug of ring should not be over the shoulder. The bearing is damaged. Always check anti-slip with the nose of the compressor designed to lift the plate.

TYPICAL KEYED SHAFT ASSEMBLY

PULLEY SNAP RING

TYPICAL KEYED SHAFT

FIELD SHELL PILOT

COMPRESSOR/CLUTCH

ADDITIONAL COMPRESSOR TOOLS:

- CT499 SPANNER WRENCH (INCLUDES CTK1300A - CLUTCH HUB TOOL KIT (INCLUDES CT250A – THERMOMETER))

- TM250A – THERMOMETER

- TLFG – FLUSH GUN KIT

- CT1300A - CLUTCH HUB TOOL KIT

WARRANTY POLICY

CPS guarantees that all tools are free of manufacturing and material defects for one year. If a tool should fail during the guarantee period it will be replaced in its charge. This does not apply to tools that have been damaged.
This manual contains compressor and clutch service information to use with your kit. The information includes clutch type, shaft nut torque, bolt torques, and important service tips to help prevent compressor/clutch repair. Also the MACS Mobile Air Conditioning Society publishes a comprehensive air conditioning service manual that will supply wiring diagrams, component locations, trouble codes, service intervals, and additional service information.

Order AC Reference Manual #4415A

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Replacement storage case – 50-271

A few models will have to be replaced during retrofit.

MODEL IDENTIFICATION

COMPRESSOR SPECIFICATIONS

Shaft Nut Torque and Hub Air Gaps

R-134a Compressor specifications

Shaft Nut Torque and Hub Air Gaps

Always wear safety glasses and protective gloves.

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